

1 CLAIMS

2 What is claimed is:

3 1. A plastic drawer cabinet kit having a base panel, a
4 top panel, a left side panel, a right side panel and a back
5 panel in combination with a plurality of drawer guides and
6 drawers comprising:

7 a base panel for enclosing the bottom of said drawer
8 cabinet, said base panel having an upper surface, a lower
9 surface, a left end, a right end, a front portion and a back
10 portion, said left end including a means for attaching said
11 base panel to a left side panel in a perpendicular
12 relationship, said right end including a means for attaching
13 said base panel to a right side panel in a perpendicular
14 relationship, said rear portion including a means for
15 attaching said base panel to a back panel in a perpendicular
16 relationship;

17 a top panel for enclosing the top of said drawer
18 cabinet, said top panel having an upper surface, a lower
19 surface, a left end, a right end, a front portion and a back
20 portion, said left end including a means for attaching said
21 top panel to a left side panel in a perpendicular
22 relationship, said right end including a means for attaching
23 said top panel to a right side panel in a perpendicular
24 relationship, said back portion including a means for

1 attaching said top panel to a back panel in a perpendicular
2 relationship;

3 a back panel for enclosing the back of said wall
4 cabinet, said back panel having a top edge, a bottom edge, a
5 left edge, and a right edge, said top edge including a means
6 for attaching said back panel to said top panel in a
7 perpendicular relationship, said bottom edge including a
8 means for attaching said back panel to said base panel in a
9 perpendicular relationship;

10 a left side panel for enclosing the left side of said
11 drawer cabinet, said left side panel including a top edge, a
12 bottom edge, a front edge, a back edge, an inner surface and
13 an outer surface, said top edge including a means for
14 attaching said left side panel to said top panel in a
15 perpendicular relationship, said bottom edge including a
16 means for attaching said left side panel to said base panel
17 in a perpendicular relationship, said inner surface including
18 a means for removably securing a plurality of drawer guides
19 in a vertically spaced generally parallel relationship;

20 a right side panel for enclosing the right side of said
21 drawer cabinet, said right side panel including a top edge, a
22 bottom edge, a front edge, a back edge, an inner surface and
23 an outer surface, said top edge including a means for
24 attaching said right side panel to said top panel in a

1 perpendicular relationship, said bottom edge including a
2 means for attaching said right side panel to said base panel
3 in a perpendicular relationship, said inner surface including
4 a means for removably securing a plurality of drawer guides
5 in a vertically spaced generally parallel relationship;

6 a plurality of drawer guides, said drawer guides
7 including a means of removably securing said drawer guides to
8 said inner surfaces of said left and said right side panels,
9 said drawer guides constructed and arranged to cooperate with
10 at least one drawer to provide support and prevent tipping
11 and canting of said at least one drawer while said at least
12 one drawer is moved inwardly and outwardly of said cabinet
13 assembly;

14 at least one drawer for enclosing the front of said
15 drawer cabinet and providing a storage area within said
16 drawer cabinet, said at least one drawer including a front
17 portion, a rear portion, a left side and a right side, said
18 left side and said right side each including at least one
19 upper roller and at least one lower roller rotatably mounted
20 thereto, wherein said upper and said lower rollers are
21 constructed and arranged to cooperate with said drawer guides
22 to allow said at least one drawer to be moved inwardly and
23 outwardly of said drawer cabinet to provide access to said
24 storage area within said at least one drawer;

1 wherein said drawer cabinet can be shipped fully
2 assembled or in a disassembled state and assembled on a
3 desired site without separate fasteners.

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5 2. The drawer cabinet kit as described in claim 1,
6 wherein said means for removably securing a plurality of
7 drawer guides includes a pair of vertical rails integrally
8 molded on each of said inner surfaces of said left and said
9 right side panels, wherein one of said vertical rails is
10 positioned generally adjacent to said front edge of each said
11 panel and one of said vertical rails is positioned generally
12 adjacent to said rear edge of each said panel, said vertical
13 rails extending from about said bottom edges of said panels
14 to about said top edges of said panels, said vertical rails
15 including a plurality of vertically spaced apertures, wherein
16 said apertures are constructed and arranged to cooperate with
17 said drawer guides for removable attachment thereof, wherein
18 said drawer guides are positionable in a generally parallel
19 relationship to accommodate a combination of various sized
20 drawers to fill said cabinet.

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22 3. The drawer cabinet kit as described in claim 1,
23 wherein said drawer guides are generally L-shaped, said L-
24 shaped drawer guides including a vertical leg and a

1 horizontal leg, a front portion, and a back portion, wherein
2 said vertical leg is constructed and arranged to prevent
3 canting of said drawers while said drawers are moved inwardly
4 and outwardly of said drawer cabinet, wherein said horizontal
5 leg is constructed and arranged to cooperate with said at
6 least one drawer to prevent tipping of said drawer while said
7 drawer is moved inwardly and outwardly of said drawer
8 cabinet, wherein said vertical leg includes a means for
9 removably securing said drawer guides to said inner surfaces
10 of said left and said right side panels, wherein said means
11 for removably securing said drawer guides to said inner
12 surfaces of said left and said right side panels are
13 constructed and arranged to cooperate with said inner
14 surfaces of said side panels to removably secure said drawer
15 guide members in a vertically spaced generally parallel
16 relationship.

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18 4. The drawer cabinet kit as described in claim 3,
19 wherein said means for removably securing said drawer guides
20 to said inner surfaces of said left and said right side
21 panels includes a pair of outwardly extending locking posts,
22 wherein one of said locking posts is integrally formed into
23 said front portion of said vertical leg of said drawer guide
24 and one of said locking posts is integrally formed into said

1 back portion of said vertical leg of said drawer guide,
2 wherein said locking posts are constructed and arranged to
3 have a conjugate shape to said left and said right side panel
4 vertical rail apertures, wherein said locking posts enter
5 said apertures for coupling engagement between said drawer
6 guides and said side panels, wherein said drawer guides may
7 be positioned to accommodate a combination of various sized
8 drawers to fill said drawer cabinet.

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10 5. The drawer cabinet assembly as described in claim 4,
11 wherein each said locking post includes at least one
12 integrally formed spring tab, wherein said spring tab is
13 constructed and arranged to cooperate with said vertical rail
14 apertures for a mechanically and releasably secure connection
15 between said drawer guides and said side panels.

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17 6. The drawer cabinet kit as described in claim 3,
18 wherein said drawer guides each include at least one roller,
19 wherein said at least one roller is rotatably mounted in said
20 front portion of said horizontal leg of said drawer guide
21 for supporting said at least one drawer, wherein said
22 horizontal leg includes an upper surface and a lower surface,
23 wherein said roller is sized and positioned between said

1 upper surface and said lower surface so that a portion of
2 said roller protrudes above said top surface.

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4 7. The drawer cabinet kit as described in claim 6,
5 wherein said upper surface of said horizontal leg of said
6 drawer guide includes an outwardly protruding detent, wherein
7 said detent is integrally formed into said rear portion of
8 said drawer guide, wherein said rollers rotatably mounted on
9 said left and said right lower portions of said at least one
10 drawer cooperate with said detent for releasably securing
11 said drawer member within said drawer cabinet, wherein
12 pulling outward on said at least one drawer allows said
13 rollers to release from said detent.

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15 8. The drawer cabinet kit as described in claim 6,
16 wherein said lower surface of said horizontal leg of said
17 drawer guides include an integrally formed and outwardly
18 protruding stop tab, wherein said stop tab is constructed and
19 arranged to cooperate with said rear portion of at least one
20 drawer to prevent said drawer from being extended completely
21 out of said drawer cabinet.

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23 9. The drawer cabinet kit as described in claim 6,
24 wherein said left and said right sides of said at least one

1 drawer each include an integrally formed upper roller pocket
2 and an integrally formed lower roller pocket, wherein said
3 upper roller pockets are positioned generally at an upper
4 rear portion of said left side and said right side of said
5 drawer, wherein said lower roller pockets are positioned
6 generally at a lower rear portion of said left side and said
7 right side of said drawer, wherein said upper rollers are
8 rotatably mounted within said upper roller pockets to extend
9 partially outward therefrom to cooperate with said lower
10 surface of an adjacent drawer guide, and wherein said lower
11 rollers are rotatably mounted within said lower roller
12 pockets to extend partially outward therefrom to cooperate
13 with said upper surface of an adjacent drawer guide, wherein
14 said rollers and said drawer guides prevent said drawer from
15 tipping as said drawer is extended outwardly from said drawer
16 cabinet.

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18 10. The drawer cabinet kit as described in claim 6,
19 wherein said at least one drawer member includes a lower
20 surface, said lower surface including a pair of detents
21 integrally formed therein, wherein said pair of detents are
22 constructed and arranged to cooperate with said rollers
23 rotatably mounted in said front portion of said drawer guides

1 for releasably securing said at least one drawer within said
2 drawer cabinet.

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4 11. The drawer cabinet kit as described in claim 1,
5 wherein said means of attaching said base panel to said left
6 side panel, said right side panel, and said back panel
7 includes a plurality of outwardly extending locking posts,
8 wherein said locking posts are constructed and arranged to
9 cooperate with a plurality of locking sockets, wherein said
10 locking posts are brought into an coupling engagement with
11 corresponding locking sockets in said left side panel, said
12 right side panel and said back panel resulting in a
13 mechanically secure connection between said base panel and
14 said left, right, and back panels.

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16 12. The drawer cabinet kit as described in claim 11
17 wherein said base panel locking posts include at least one
18 integrally formed spring-tab, wherein said at least one
19 spring-tab is constructed and arranged to cooperate with said
20 locking sockets for positively maintaining secure coupling
21 engagement between said base panel and said left, right and
22 back panels.

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1 13. The drawer cabinet kit as described in claim 1,
2 wherein said means of attaching said top panel to said left
3 side panel, said right side panel, and said back panel
4 includes a plurality of outwardly extending locking posts,
5 wherein said locking posts are constructed and arranged to
6 cooperate with a plurality of locking sockets, wherein said
7 locking posts are brought into an coupling engagement with
8 corresponding locking sockets in said left side panel, said
9 right side panel and said back panel resulting in a
10 mechanically secure connection between said base, left,
11 right, and back panels.

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13 14. The drawer cabinet kit as described in claim 13
14 wherein said top panel locking posts include at least one
15 integrally formed spring-tab, wherein said at least one
16 spring-tab is constructed and arranged to cooperate with said
17 locking sockets for positively maintaining secure coupling
18 engagement between said top panel and said left, right and
19 back panels.

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21 15. The drawer cabinet kit as described in claim 1
22 wherein said left side panel, said right side panel, and said
23 back panel include a plurality of locking sockets arranged in
24 a linear fashion along said top and said bottom edges, said

1 locking sockets extending inwardly between said outer surface
2 and said inner surface, wherein said locking cavities are
3 constructed and arranged to cooperate with said top and said
4 base panels, wherein said top and said base panels are
5 secured to said left, right and back panels via said locking
6 sockets.

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8 16. The drawer cabinet kit as described in claim 15,
9 wherein at least one of said locking sockets include an
10 aperture therethrough, wherein said aperture is constructed
11 and arranged for mating engagement with at least one spring-
12 tab integrally formed into locking posts in said top and said
13 base panels.

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15 17. The drawer cabinet kit as described in claim 1,
16 wherein said bottom surface of said base panel includes
17 integrally formed cross-bracing, wherein said cross-bracing
18 provides increased weight capacity and stability to said
19 drawer cabinet kit.

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